

Please add the following claims:

15. (NEW) A catalyst for reducing nitrogen oxides (NO_x) with hydrocarbons in an oxygen-rich atmosphere, comprising crystalline metallosilicate ion-exchanged with Co, said crystalline metallosilicate having a plurality of straight channels of oxygen 8-ring or larger in section, said plurality of straight channels being oriented in at least two different dimensional directions, individual members of said plurality of straight channels communicating with each other via micropores having a size of oxygen 8-ring or larger, the straight channels oriented in at least one of said at least two different dimensional directions having a size in section of oxygen 10-ring or larger.

16. (NEW) A process for reducing NO_x in exhaust gas, which contains hydrocarbons and excess oxygen, by hydrocarbons having two or larger number of carbons, comprising the step of: contacting the exhaust gas with a catalyst which contains at least crystalline metallosilicate ion-exchanged with Co, said crystalline metallosilicate having a plurality of straight channels of oxygen 8-ring or larger in section, said plurality of straight channels being oriented in at least two different dimensional directions, individual members of said plurality of straight channels communicating with each other via micropores having a size of oxygen 8-ring or larger, the straight channels oriented in at least one of said at least two different directions having a size in section of oxygen 10-ring or larger.

17. (NEW) The process for reducing NO_x according to ~~any one of claims 16, 10, 11 or 12~~, wherein 90% or more of the hydrocarbons contained in the exhaust gas, calculated in terms of methane, are hydrocarbons having four or fewer carbons.

18. (NEW) A process for reducing NO_x by hydrocarbons in exhaust gas containing hydrocarbons and excess oxygen, in which 50% more of hydrocarbons calculated in terms of methane are methane, comprising: contacting the exhaust gas with a catalyst that at least contains BEA type aluminosilicate with an SiO₂/Al₂O₃ ratio between 10 and 100 and with an SiO₂/B₂O₃